OLS Regression Results

Dep. Variable: Cumulative diff R-squared: 0.015

OLS Adj. R-squared: Model: 0.012 Least Squares F-statistic: Method: 5.080 Sun, 27 Aug 2023 Prob (F-statistic): Date: 0.0249 Time: 23:49:42 Log-Likelihood: -1105.3No. Observations: 335 AIC: 2215.

Df Residuals: 333 BIC: 2222.

Df Model: 1

Covariance Type: nonrobust

coef std err P>|t| [0.025 0.9751

0.000 -1.7797 0.505 -3.524 -2.773 const # of past defaults 0.7320 0.325 2.254 0.025 0.093

Omnibus: 196.549 Durbin-Watson: 2.054 Prob(Omnibus): 0.000 Jarque-Bera (JB): 15029.889

Skew: 1.541 Prob(JB): 0.00 Kurtosis: 35.669 Cond. No.

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.7418866485213427 LM P-Value: 0.6900830514176257 F Statistic: 0.3684373803816817 F P-Value: 0.6920970340570602

OLS Regression Results

Dep. Variable: Cumulative diff R-squared: 0.004

Model: OLS Adj. R-squared: -0.000 Least Squares F-statistic: 0.8921 Method: Sun, 27 Aug 2023 Prob (F-statistic): 0.346 Date: Time: 23:49:42 Log-Likelihood: -674.03 No. Observations: 223 AIC: 1352. Df Residuals: 221 BIC: 1359.

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const -0.7698 0.625 -1.232 0.219 -2.001 0.462

Adjusted savings: gross savings (% of GNI) -0.0272 0.029 -0.944 0.346 -0.084 0.030

Omnibus: 81.376 Durbin-Watson: 1.809 Prob(Omnibus): 0.000 Jarque-Bera (JB): 291.646

Skew: -1.483 Prob(JB): 4.68e-64 Kurtosis: 7.753 Cond. No. 40.6

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.003902325315068511 LM P-Value: 0.9980507396229031 F Statistic: 0.0019249475176152183 F P-Value: 0.9980769208158926

OLS Regression Results

Dep. Variable: Cumulative_diff R-squared: 0.001

Model: OLS Adj. R-squared: -0.004

Method: Least Squares F-statistic: 0.1353

Date: Sun, 27 Aug 2023 Prob (F-statistic): 0.713

 Time:
 23:49:43 Log-Likelihood:
 -674.41

 No. Observations:
 223 AIC:
 1353.

 Df Residuals:
 221 BIC:
 1360.

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const -1.1844 0.405 -2.922 0.004 -1.983 -0.386

Adjusted savings: net national savings (% of GNI) -0.0104 0.028 -0.368 0.713 -0.066 0.04!

Omnibus: 81.354 Durbin-Watson: 1.813 Prob(Omnibus): 0.000 Jarque-Bera (JB): 292.766

Skew: -1.481 Prob(JB): 2.67e-64 Kurtosis: 7.768 Cond. No. 17.3

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.03432641422636329 LM P-Value: 0.9829832416853691 F Statistic: 0.016934918744106135 F P-Value: 0.9832089525192153

OLS Regression Results

Dep. Variable: Cumulative diff R-squared: 0.032

OLS Adj. R-squared: Model: 0.001 Least Squares F-statistic: Method: 1.026 Date: Sun, 27 Aug 2023 Prob (F-statistic): 0.319 Time: 23:49:43 Log-Likelihood: -86.293 No. Observations: 33 AIC: 176.6 Df Residuals: 31 BIC: 179.6

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const -1.4967 0.623 -2.403 0.022 -2.767 -0.226

Banking Crisis Dummy -2.0931 2.066 -1.013 0.319 -6.307 2.121

Omnibus: 1.143 Durbin-Watson: 1.820 Prob(Omnibus): 0.565 Jarque-Bera (JB): 1.008

 Skew:
 -0.223
 Prob(JB):
 0.604

 Kurtosis:
 2.269
 Cond. No.
 3.51

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.44390094433540694 LM P-Value: 0.5052456202032561 F Statistic: 0.42268360379630027 F P-Value: 0.5203903578216322

OLS Regression Results

Dep. Variable: Cumulative_diff R-squared: 0.000

Model: OLS Adj. R-squared: -0.003

Method: Least Squares F-statistic: 0.03266

Date: Sun, 27 Aug 2023 Prob (F-statistic): 0.857

Time: 23:49:43 Log-Likelihood: -907.85

No. Observations: 284 AIC: 1820.

No. Observations: 284 AIC: 1820. Df Residuals: 282 BIC: 1827.

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const -0.4111 0.454 -0.906 0.366 -1.304 0.482

Broad money growth (annual %) -0.0028 0.015 -0.181 0.857 -0.033 0.028

Omnibus: 301.240 Durbin-Watson: 1.875 Prob(Omnibus): 0.000 Jarque-Bera (JB): 30348.946

 Skew:
 4.002 Prob(JB):
 0.00

 Kurtosis:
 53.006 Cond. No.
 37.8

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.05349669206093832 LM P-Value: 0.9736062225684871 F Statistic: 0.026470779343982134 F P-Value: 0.9738789288884369

OLS Regression Results

Dep. Variable: Cumulative diff R-squared: 0.000

OLS Adj. R-squared: -0.004 Model: Method: Least Squares F-statistic: 0.01084 Sun, 27 Aug 2023 Prob (F-statistic): 0.917 Date: Time: 23:49:44 Log-Likelihood: -831.98 259 AIC: No. Observations: 1668. Df Residuals: 257 BIC: 1675.

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975

Broad money to total reserves ratio 0.0034 0.032 0.104 0.917 -0.060 0.067

Omnibus: 287.889 Durbin-Watson: 1.893 Prob(Omnibus): 0.000 Jarque-Bera (JB): 28363.890

 Skew:
 4.259 Prob(JB):
 0.00

 Kurtosis:
 53.555 Cond. No.
 15.2

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.8654851199148029 LM P-Value: 0.6487274787392535 F Statistic: 0.4291642107625912 F P-Value: 0.6515205409147109

OLS Regression Results

Dep. Variable: Cumulative_diff R-squared: 0.012

OLS Adj. R-squared: Model: 0.009 Least Squares F-statistic: Method: 1.915 Date: Sun, 27 Aug 2023 Prob (F-statistic): 0.168 Time: 23:49:44 Log-Likelihood: -812.58 272 AIC: 1629. No. Observations: Df Residuals: 270 BIC: 1636.

Df Model: 1

Covariance Type: HC3

coef std err z P>|z| [0.025 0.975]

.....

const -0.5676 0.371 -1.529 0.126 -1.295 0.160 CA 0.0655 0.047 1.384 0.166 -0.027 0.158

Omnibus: 84.557 Durbin-Watson: 1.894 Prob(Omnibus): 0.000 Jarque-Bera (JB): 331.053

Skew: -1.254 Prob(JB): 1.30e-72 Kurtosis: 7.787 Cond. No. 13.9

Notes:

[1] Standard Errors are heteroscedasticity robust (HC3)

White Test Results:

LM Statistic: 6.817608620409285 LM P-Value: 0.033080731030493235 F Statistic: 3.457878008696547 F P-Value: 0.03290351013529387

OLS Regression Results

Dep. Variable: Cumulative diff R-squared: 0.002

Model:OLS Adj. R-squared:-0.015Method:Least Squares F-statistic:0.1231Date:Sun, 27 Aug 2023 Prob (F-statistic):0.727Time:23:49:44 Log-Likelihood:-166.04No. Observations:61 AIC:336.1

Df Residuals: 59 BIC: 340.3

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const -1.6079 0.857 -1.876 0.066 -3.323 0.107

Central government debt, total (% of GDP) 0.0050 0.014 0.351 0.727 -0.024 0.034

Omnibus: 7.642 Durbin-Watson: 2.139 Prob(Omnibus): 0.022 Jarque-Bera (JB): 6.839

Skew: -0.731 Prob(JB): 0.0327 Kurtosis: 3.745 Cond. No. 107.

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 1.086878168856113 LM P-Value: 0.58074757415631 F Statistic: 0.5260862050497067 F P-Value: 0.5937058395838513

OLS Regression Results

Dep. Variable: Cumulative diff R-squared: 0.002

Model: OLS Adj. R-squared: -0.001 Least Squares F-statistic: Method: 0.6463 Sun, 27 Aug 2023 Prob (F-statistic): 0.422 Date: Time: 23:49:45 Log-Likelihood: -910.59 No. Observations: 284 AIC: 1825. Df Residuals: 282 BIC: 1832.

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const -0.7097 0.393 -1.805 0.072 -1.484 0.064

Claims on central government, etc. (% GDP) 0.0150 0.019 0.804 0.422 -0.022 0.05

Omnibus: 294.469 Durbin-Watson: 1.893 Prob(Omnibus): 0.000 Jarque-Bera (JB): 27662.028

 Skew:
 3.871 Prob(JB):
 0.00

 Kurtosis:
 50.725 Cond. No.
 23.2

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 1.1993532093285242 LM P-Value: 0.5489891479190389 F Statistic: 0.5958583469414392 F P-Value: 0.5517841206833124

OLS Regression Results

Dep. Variable: Cumulative diff R-squared: 0.005

Model:OLS Adj. R-squared:0.001Method:Least Squares F-statistic:1.346Date:Sun, 27 Aug 2023 Prob (F-statistic):0.247Time:23:49:45 Log-Likelihood:-901.72

No. Observations: 282 AIC: 1807. Df Residuals: 280 BIC: 1815.

Df Model:

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const -0.2094 0.411 -0.509 0.611 -1.019 0.601

Claims on private sector (annual growth as % of broad money) -0.0188 0.016 -1.160 0.247 -0.051 0.013

 Omnibus:
 301.841
 Durbin-Watson:
 1.894

 Prob(Omnibus):
 0.000
 Jarque-Bera (JB):
 30886.309

 Skew:
 4.054 Prob(JB):
 0.00

 Kurtosis:
 53.625 Cond. No.
 29.5

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.6831400812572332 LM P-Value: 0.7106536912454307 F Statistic: 0.3387569495938162 F P-Value: 0.7129483500866205

OLS Regression Results

Dep. Variable: Cumulative diff R-squared: 0.001

Model:OLS Adj. R-squared:-0.003Method:Least Squares F-statistic:0.2709Date:Sun, 27 Aug 2023 Prob (F-statistic):0.603Time:23:49:45 Log-Likelihood:-892.83No. Observations:278 AIC:1790.

Df Residuals: 276 BIC: 1797.

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const -0.8759 0.673 -1.302 0.194 -2.200 0.448

Consumer price index (2010 = 100) 0.0046 0.009 0.520 0.603 -0.013 0.022

Omnibus: 295.016 Durbin-Watson: 1.823 Prob(Omnibus): 0.000 Jarque-Bera (JB): 28198.202

 Skew:
 4.005
 Prob(JB):
 0.00

 Kurtosis:
 51.685
 Cond. No.
 142

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.5714533560303452 LM P-Value: 0.7514679806002622 F Statistic: 0.28322549140918474 F P-Value: 0.753569375358635

OLS Regression Results

Cumulative diff R-squared: Dep. Variable: 0.063

Model: OLS Adj. R-squared: 0.046 Least Squares F-statistic: 3.687 Method: Sun, 27 Aug 2023 Prob (F-statistic): 0.0600 Date: Time: 23:49:46 Log-Likelihood: -162.87 57 AIC: 329.7 No. Observations:

Df Residuals: 55 BIC: 333.8

Df Model:

Covariance Type: nonrobust

coef std err 0.9751 P>ltl

-1.0487 0.752 -1.395 0.169 -2.555

Cyclically adjusted balance (% of potential GDP) 0.2545 0.133 1.920

2.325 Durbin-Watson: 1.871 Omnibus: Prob(Omnibus): 0.313 Jarque-Bera (JB): 1.468

-0.281 Prob(JB): Skew: 0.480 3.549 Cond. No. Kurtosis:

Notes:

const

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.5413600583270529 LM P-Value: 0.7628605504863407 F Statistic: 0.2588925555048953 F P-Value: 0.7728585597195995

OLS Regression Results

Dep. Variable: Cumulative diff R-squared: 0.166

Model: OLS Adj. R-squared: 0.151 Least Squares F-statistic: Method: 10.75

Sun, 27 Aug 2023 Prob (F-statistic): 0.00183 Date:

Time: 23:49:46 Log-Likelihood: -156.45

56 AIC: No. Observations: 316.9

Df Residuals: 54 BIC: 320.9

Df Model:

Covariance Type: nonrobust

0.9751 coef std err [0.025

-1.2131 0.577 -2.102 0.040 -2.370 const -0.056

Cyclically adjusted primary balance (% of potential GDP) 0.4321 0.132

Omnibus: 4.578 Durbin-Watson: 1.740

Prob(Omnibus): 0.101 Jarque-Bera (JB): 4.612

-0.264 Prob(JB): Skew: 0.0997 4.303 Cond. No. Kurtosis:

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.1605301857026662 LM P-Value: 0.9228716672750346 F Statistic: 0.07618356576930492 F P-Value: 0.9267473772772947

OLS Regression Results

Dep. Variable: Cumulative_diff R-squared: 0.006

Model: OLS Adj. R-squared: 0.002

Method: Least Squares F-statistic: 1.528

Date: Sun, 27 Aug 2023 Prob (F-statistic): 0.218

Time: 23:49:46 Log-Likelihood: -728.90

No. Observations: 252 AIC: 1462.

Df Residuals: 250 BIC: 1469.

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const 2.3067 2.292 1.006 0.315 -2.208 6.82

In Debt service on external debt, total (TDS, current US\$) -0.1484 0.120 -1.236 0.218 -0.385 0.088

Omnibus: 90.696 Durbin-Watson: 2.026 Prob(Omnibus): 0.000 Jarque-Bera (JB): 449.181

Skew: -1.363 Prob(JB): 2.89e-98 Kurtosis: 8.945 Cond. No. 159.

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.8849491952982689 LM P-Value: 0.6424446603655167 F Statistic: 0.43874779493134664 F P-Value: 0.6453409381503554

OLS Regression Results

Dep. Variable: Cumulative diff R-squared: 0.027

Model: OLS Adj. R-squared: 0.023

Method: Least Squares F-statistic: 6.640

Date: Sun, 27 Aug 2023 Prob (F-statistic): 0.0106

Time: 23:49:47 Log-Likelihood: -778.70

No. Observations: 242 AIC: 1561.

Df Residuals: 240 BIC: 1568.

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975

const 0.5292 0.530 1.000 0.319 -0.514 1.572

Domestic credit to private sector (% of GDP) -0.0303 0.012 -2.577 0.011 -0.053 -0.003

Omnibus:284.960Durbin-Watson:1.951Prob(Omnibus):0.000Jarque-Bera (JB):29364.130

 Skew:
 4.620 Prob(JB):
 0.00

 Kurtosis:
 56.167 Cond. No.
 61.2

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.13101564603165494 LM P-Value: 0.9365917197591208 F Statistic: 0.06473078696965075 F P-Value: 0.9373361951243587

OLS Regression Results

Dep. Variable: Cumulative diff R-squared: 0.015

OLS Adj. R-squared: Model: 0.012 Least Squares F-statistic: Method: 4.966 Date: Sun, 27 Aug 2023 Prob (F-statistic): 0.0265 Time: 23:49:47 Log-Likelihood: -1105.4 No. Observations: 335 AIC: 2215. Df Residuals: 333 BIC: 2222.

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const -2.0050 0.584 -3.435 0.001 -3.153 -0.857

Dummy for past default 1.6509 0.741 2.228 0.027 0.194 3.108

Omnibus: 194.964 Durbin-Watson: 2.060 Prob(Omnibus): 0.000 Jarque-Bera (JB): 14998.770

 Skew:
 1.517 Prob(JB):
 0.00

 Kurtosis:
 35.639 Cond. No.
 3.01

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.11822666667624271 LM P-Value: 0.7309658279653675 F Statistic: 0.11756232538819965 F P-Value: 0.7319098701089685

OLS Regression Results

Dep. Variable: Cumulative diff R-squared: 0.003

Model: OLS Adj. R-squared: -0.001 Least Squares F-statistic: Method: 0.7467 Sun, 27 Aug 2023 Prob (F-statistic): Date: 0.388 Time: 23:49:48 Log-Likelihood: -855.56 No. Observations: 267 AIC: 1715. Df Residuals: 265 BIC: 1722.

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const -0.7393 0.703 -1.051 0.294 -2.124 0.645

Exports of goods and services (% of GDP) -0.0166 0.019 -0.864 0.388 -0.054 0.021

Omnibus: 157.044 Durbin-Watson: 1.892 Prob(Omnibus): 0.000 Jargue-Bera (JB): 1651.491

Skew: -2.158 Prob(JB): 0.00 Kurtosis: 14.394 Cond. No. 70.5

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.6146502960481176 LM P-Value: 0.7354114444507023 F Statistic: 0.3045732025748355 F P-Value: 0.7376968138005053

OLS Regression Results

Dep. Variable: Cumulative_diff R-squared: 0.059

Model:OLS Adj. R-squared:0.055Method:Least Squares F-statistic:8.587Date:Sun, 27 Aug 2023 Prob (F-statistic):0.00375Time:23:49:48 Log-Likelihood:-648.33

No. Observations: 218 AIC: 1301. Df Residuals: 216 BIC: 1307.

Df Model: 1

Covariance Type: HC3

coef std err z P>|z| [0.025 0.975

const -1.5273 0.385 -3.962 0.000 -2.283 -0.772

Exports of goods and services (annual % growth) 0.0533 0.018 2.930 0.003 0.018 0.089

Omnibus: 58.853 Durbin-Watson: 1.961 Prob(Omnibus): 0.000 Jarque-Bera (JB): 163.064

Skew: -1.157 Prob(JB): 3.90e-36 Kurtosis: 6.549 Cond. No. 24.4

Notes:

[1] Standard Errors are heteroscedasticity robust (HC3)

White Test Results:

LM Statistic: 13.615267226555265 LM P-Value: 0.0011053053876539955

F Statistic: 7.16120625544522

F P-Value: 0.0009752938333025818

OLS Regression Results

Dep. Variable: Cumulative diff R-squared: 0.004

Model: OLS Adj. R-squared: 0.001 Least Squares F-statistic: Method: 1.173 Sun, 27 Aug 2023 Prob (F-statistic): 0.280 Date: Time: 23:49:48 Log-Likelihood: -855.35 No. Observations: 267 AIC: 1715. Df Residuals: 265 BIC: 1722.

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const -1.5212 0.439 -3.463 0.001 -2.386 -0.656

External balance on goods and services (% of GDP) -0.0250 0.023 -1.083 0.280 -0.070 0.020

Omnibus: 156.047 Durbin-Watson: 1.894 Prob(Omnibus): 0.000 Jarque-Bera (JB): 1612.970

 Skew:
 -2.146 Prob(JB):
 0.00

 Kurtosis:
 14.250 Cond. No.
 22.9

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.3726937508896201 LM P-Value: 0.8299856434039125 F Statistic: 0.18451064074985687 F P-Value: 0.8316182267251442

OLS Regression Results

Dep. Variable: Cumulative diff R-squared: 0.012

Model:OLS Adj. R-squared:0.008Method:Least Squares F-statistic:0.9133Date:Sun, 27 Aug 2023 Prob (F-statistic):0.340Time:23:49:49 Log-Likelihood:-721.61No. Observations:245 AIC:1447.

Df Residuals: 243 BIC: 1454.

Df Model: 1

Covariance Type: HC3

coef std err z P>|z| [0.025 0.975]

const -0.0179 0.606 -0.030 0.976 -1.207 1.171

External debt stocks (% of GNI) -0.0086 0.009 -0.956 0.339 -0.026 0.009

Omnibus: 92.579 Durbin-Watson: 1.980 Prob(Omnibus): 0.000 Jarque-Bera (JB): 426.554

 Skew:
 -1.465
 Prob(JB):
 2.37e-93

 Kurtosis:
 8.762
 Cond. No.
 127.

Notes:

[1] Standard Errors are heteroscedasticity robust (HC3)

White Test Results:

LM Statistic: 7.078345886467463 LM P-Value: 0.029037332676298506 F Statistic: 3.5998398525502138 F P-Value: 0.028801441786748785

OLS Regression Results

Dep. Variable: Cumulative diff R-squared: 0.001

Model:OLS Adj. R-squared:-0.003Method:Least Squares F-statistic:0.2774Date:Sun, 27 Aug 2023 Prob (F-statistic):0.599Time:23:49:49 Log-Likelihood:-783.35

No. Observations: 245 AIC: 1571.

Df Residuals: 243 BIC: 1578.

Df Model: 1

Covariance Type: nonrobust

···

coef std err t P>|t| [0.025 0.975]

.....

const -2.4373 2.216 -1.100 0.272 -6.802 1.927 Food Price Index 0.0129 0.024 0.527 0.599 -0.035 0.061

Omnibus: 160.581 Durbin-Watson: 1.934 Prob(Omnibus): 0.000 Jargue-Bera (JB): 1733.857

 Skew:
 -2.449 Prob(JB):
 0.00

 Kurtosis:
 15.077 Cond. No.
 530.

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 2.5003274534733237 LM P-Value: 0.2864578922046401 F Statistic: 1.2475877542153222 F P-Value: 0.2890371913098763

OLS Regression Results

Dep. Variable: Cumulative diff R-squared: 0.016

OLS Adj. R-squared: Model: 0.011 Least Squares F-statistic: Method: 3.740 Sun, 27 Aug 2023 Prob (F-statistic): Date: 0.0543 Time: 23:49:49 Log-Likelihood: -750.70No. Observations: 237 AIC: 1505. Df Residuals: 235 BIC: 1512.

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const -1.0444 0.386 -2.707 0.007 -1.805 -0.284

Food Price Index (% change) -7.1888 3.717 -1.934 0.054 -14.512 0.13

Omnibus: 167.621 Durbin-Watson: 1.993 Prob(Omnibus): 0.000 Jargue-Bera (JB): 2229.950

 Skew:
 -2.610 Prob(JB):
 0.00

 Kurtosis:
 17.091 Cond. No.
 9.92

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 1.0711920145647909 LM P-Value: 0.5853203309842225 F Statistic: 0.531217305653567 F P-Value: 0.5885961432870408

OLS Regression Results

Dep. Variable: Cumulative diff R-squared: 0.015

Model: OLS Adj. R-squared: 0.012 Least Squares F-statistic: 4.615 Method: Sun, 27 Aug 2023 Prob (F-statistic): 0.0325 Date: Time: 23:49:50 Log-Likelihood: -977.42 No. Observations: 302 AIC: 1959. Df Residuals: 300 BIC: 1966.

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

Foreign direct investment, net inflows (% of GDP) -0.0732 0.034 -2.148 0.033 -0.140 -0.006

Omnibus: 282.508 Durbin-Watson: 1.945 Prob(Omnibus): 0.000 Jarque-Bera (JB): 22259.785

 Skew:
 3.345 Prob(JB):
 0.00

 Kurtosis:
 44.524 Cond. No.
 12.4

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 1.1979670194281875 LM P-Value: 0.5493697814174994 F Statistic: 0.5953951428781854 F P-Value: 0.5519969941624197

OLS Regression Results

Dep. Variable: Cumulative diff R-squared: 0.021

OLS Adj. R-squared: Model: 0.018 Method: Least Squares F-statistic: 3.498 Date: Sun, 27 Aug 2023 Prob (F-statistic): 0.0624 Time: 23:49:50 Log-Likelihood: -1041.3No. Observations: 313 AIC: 2087. Df Residuals: 311 BIC: 2094.

Df Model: 1

Covariance Type: HC3

coef std err z P>|z| [0.025 0.975]

const 11.1643 6.690 1.669 0.095 -1.949 24.277

Omnibus: 163.976 Durbin-Watson: 2.061 Prob(Omnibus): 0.000 Jarque-Bera (JB): 11297.604

 Skew:
 1.257 Prob(JB):
 0.00

 Kurtosis:
 32.325 Cond. No.
 287

Notes:

[1] Standard Errors are heteroscedasticity robust (HC3)

White Test Results:

LM Statistic: 8.765399127912278 LM P-Value: 0.01249159121354841 F Statistic: 4.465753931117224 F P-Value: 0.01224507614341753

OLS Regression Results

Dep. Variable: Cumulative diff R-squared: 0.090

OLS Adj. R-squared: Model: 0.087 Least Squares F-statistic: Method: 4.765 Date: Sun, 27 Aug 2023 Prob (F-statistic): 0.0298 Time: 23:49:51 Log-Likelihood: -1023.9No. Observations: 311 AIC: 2052. Df Residuals: 309 BIC: 2059.

Df Model: 1

Covariance Type: HC3

coef std err z P>|z| [0.025 0.975]

const -2.2638 0.838 -2.701 0.007 -3.907 -0.621

GDP growth (annual %) 0.3393 0.155 2.183 0.029 0.035 0.644

Omnibus: 254.979 Durbin-Watson: 1.808 Prob(Omnibus): 0.000 Jarque-Bera (JB): 19864.828

 Skew:
 2.687 Prob(JB):
 0.00

 Kurtosis:
 41.783 Cond. No.
 8.43

Notes:

[1] Standard Errors are heteroscedasticity robust (HC3)

White Test Results:

LM Statistic: 9.41581877818114 LM P-Value: 0.009023622760791302 F Statistic: 4.808064156300617 F P-Value: 0.008786542842340487

OLS Regression Results

Dep. Variable: Cumulative_diff R-squared: 0.001

OLS Adj. R-squared: Model: -0.002 Least Squares F-statistic: 0.2281 Method: Sun, 27 Aug 2023 Prob (F-statistic): Date: 0.633 Time: 23:49:51 Log-Likelihood: -1081.6 No. Observations: 326 AIC: 2167. Df Residuals: 324 BIC: 2175.

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const -1.6401 1.418 -1.157 0.248 -4.429 1.149

GDP growth China (annual %) 0.0676 0.141 0.478 0.633 -0.211 0.346

Omnibus: 191.544 Durbin-Watson: 2.039 Prob(Omnibus): 0.000 Jarque-Bera (JB): 14652.885

 Skew:
 1.534 Prob(JB):
 0.00

 Kurtosis:
 35.701 Cond. No.
 38.7

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.7376949164342081 LM P-Value: 0.6915308897599546 F Statistic: 0.36628200422276 F P-Value: 0.6935948577566755

OLS Regression Results

Dep. Variable: Cumulative diff R-squared: 0.021

OLS Adj. R-squared: Model: 0.017 Least Squares F-statistic: Method: 6.783 Date: Sun, 27 Aug 2023 Prob (F-statistic): 0.00963 Time: 23:49:51 Log-Likelihood: -1078.3No. Observations: 326 AIC: 2161. Df Residuals: 324 BIC: 2168.

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const -2.0257 0.542 -3.735 0.000 -3.093 -0.959

GDP growth USA (annual %) 0.4528 0.174 2.604 0.010 0.111 0.795

 Omnibus:
 192.614
 Durbin-Watson:
 2.070

 Prob(Omnibus):
 0.000
 Jarque-Bera (JB):
 14652.993

 Skew:
 1.551 Prob(JB):
 0.00

 Kurtosis:
 35.698 Cond. No.
 4.87

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.13894542610182703 LM P-Value: 0.932885588638817 F Statistic: 0.0688627437997669 F P-Value: 0.9334684943306968

OLS Regression Results

Dep. Variable: Cumulative diff R-squared: 0.021

Model: OLS Adj. R-squared: 0.018 Method: Least Squares F-statistic: 6.713 Sun, 27 Aug 2023 Prob (F-statistic): 0.0100 Date: Time: 23:49:52 Log-Likelihood: -1035.3

No. Observations: 311 AIC: 2075.

Df Residuals: 309 BIC: 2082.

Df Model:

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.9751

const 5.6066 2.585 2.169 0.031 0.520

In GDP per capita (constant 2015 US\$) -0.8571 0.331 -2.591 0.010 -1.508

Omnibus: 2.038 171.760 Durbin-Watson: Prob(Omnibus): 0.000 Jarque-Bera (JB): 12028.916

Skew: 1.378 Prob(JB): 0.00 33.343 Cond. No. Kurtosis:

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 1.6976393111435546 LM P-Value: 0.4279197266393847 F Statistic: 0.8452455821347606 F P-Value: 0.43044555846882526

OLS Regression Results

Dep. Variable: Cumulative diff R-squared: 0.001

Model: OLS Adj. R-squared: -0.003

Method: Least Squares F-statistic: 0.1522

Date: Sun, 27 Aug 2023 Prob (F-statistic): 0.697

Time: 23:49:52 Log-Likelihood: -814.77

No. Observations: 255 AIC: 1634.

Df Residuals: 253 BIC: 1641.

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const -1.7231 0.913 -1.887 0.060 -3.521 0.075

General government final consumption expenditure (% of GDP) 0.0213 0.055 0.390 0.697 -0.086 0.129

Omnibus: 157.240 Durbin-Watson: 1.892 Prob(Omnibus): 0.000 Jarque-Bera (JB): 1740.443

Skew: -2.258 Prob(JB): 0.00 Kurtosis: 14.976 Cond. No. 41.3

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.1021780659490179 LM P-Value: 0.9501940681620332 F Statistic: 0.05050822408716678 F P-Value: 0.95075573182108

OLS Regression Results

Dep. Variable: Cumulative diff R-squared: 0.002

Model: OLS Adj. R-squared: -0.003
Method: Least Squares F-statistic: 0.1371

Date: Sun, 27 Aug 2023 Prob (F-statistic): 0.712
Time: 23:49:52 Log-Likelihood: -586.65

No. Observations: 200 AIC: 1177.

Df Residuals: 198 BIC: 1184.

Df Model:

Covariance Type: HC3

coef std err z P>|z| [0.025 0.975]

const -0.9636 0.397 -2.424 0.015 -1.743 -0.185

General government final consumption expenditure (annual % growth) 0.0215 0.058 0.370 0.711 -0.092 0.13

Omnibus: 73.629 Durbin-Watson: 1.836 Prob(Omnibus): 0.000 Jarque-Bera (JB): 319.258

Skew: -1.381 Prob(JB): 4.72e-70 Kurtosis: 8.539 Cond. No. 12.3

Notes:

[1] Standard Errors are heteroscedasticity robust (HC3)

White Test Results:

LM Statistic: 6.309585272321483 LM P-Value: 0.042647243571966593 F Statistic: 3.208698531610161 F P-Value: 0.04253007413650959

OLS Regression Results

Dep. Variable: Cumulative_diff R-squared: 0.041

Model: OLS Adj. R-squared: 0.037

Method: Least Squares F-statistic: 11.02

Date: Sun, 27 Aug 2023 Prob (F-statistic): 0.00103

Time: 23:49:53 Log-Likelihood: -836.45

No. Observations: 263 AIC: 1677.

No. Observations: 263 AIC: 16//. Df Residuals: 261 BIC: 1684.

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const 1.4224 0.897 1.586 0.114 -0.344 3.188

Gross capital formation (% of GDP) -0.1151 0.035 -3.320 0.001 -0.183 -0.047

Omnibus: 158.169 Durbin-Watson: 1.933 Prob(Omnibus): 0.000 Jargue-Bera (JB): 1754.478

Skew: -2.195 Prob(JB): 0.00 Kurtosis: 14.867 Cond. No. 64.5

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 1.430472785265883 LM P-Value: 0.48907648405232174 F Statistic: 0.7109446733521788 F P-Value: 0.49213228678241716

OLS Regression Results

Dep. Variable: Cumulative diff R-squared: 0.008

OLS Adj. R-squared: Model: 0.003 Least Squares F-statistic: Method: 1.478 Date: Sun, 27 Aug 2023 Prob (F-statistic): 0.226 Time: 23:49:53 Log-Likelihood: -527.98 No. Observations: 184 AIC: 1060. Df Residuals: 182 BIC: 1066.

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

Gross debt (% of GDP) -0.0071 0.006 -1.216 0.226 -0.019 0.004

Omnibus: 19.452 Durbin-Watson: 2.034 Prob(Omnibus): 0.000 Jarque-Bera (JB): 40.908

Skew: -0.475 Prob(JB): 1.31e-09 Kurtosis: 5.106 Cond. No. 118.

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.8704344398896477 LM P-Value: 0.6471240835520912 F Statistic: 0.43015619334364746 F P-Value: 0.6510706404554536

OLS Regression Results

Dep. Variable: Cumulative diff R-squared: 0.011

Model:OLS Adj. R-squared:0.007Method:Least Squares F-statistic:2.882Date:Sun, 27 Aug 2023 Prob (F-statistic):0.0908Time:23:49:53 Log-Likelihood:-825.35No. Observations:258 AIC:1655.

Df Residuals: 256 BIC: 1662.

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const -0.8768 0.491 -1.784 0.076 -1.844 0.091

Gross domestic savings (% of GDP) -0.0378 0.022 -1.698 0.091 -0.082 0.006

Omnibus: 152.969 Durbin-Watson: 1.896 Prob(Omnibus): 0.000 Jargue-Bera (JB): 1596.668

Skew: -2.168 Prob(JB): 0.00 Kurtosis: 14.389 Cond. No. 29.3

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 1.4092357471731543 LM P-Value: 0.4942974222730735 F Statistic: 0.7002495132191687 F P-Value: 0.4974135102143421

OLS Regression Results

Dep. Variable: Cumulative_diff R-squared: 0.001

Model:OLS Adj. R-squared:-0.003Method:Least SquaresF-statistic:0.1351Date:Sun, 27 Aug 2023Prob (F-statistic):0.713Time:23:49:54Log-Likelihood:-820.43

No. Observations: 256 AIC: 1645.

Df Residuals: 254 BIC: 1652.

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

.....

const -0.3920 2.791 -0.140 0.888 -5.888 5.104

Gross national expenditure (% of GDP) -0.0093 0.025 -0.368 0.713 -0.059 0.041

Omnibus: 155.450 Durbin-Watson: 1.944 Prob(Omnibus): 0.000 Jarque-Bera (JB): 1657.295

Skew: -2.228 Prob(JB): 0.00 Kurtosis: 14.641 Cond. No. 821.

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.2581145003428844 LM P-Value: 0.8789236455757896 F Statistic: 0.12767358866375506 F P-Value: 0.880197290445418

OLS Regression Results

Dep. Variable: Cumulative diff R-squared: 0.000

Model: OLS Adj. R-squared: -0.004

Method: Least Squares F-statistic: 0.0008570

Date: Sun, 27 Aug 2023 Prob (F-statistic): 0.977

 Time:
 23:49:54 Log-Likelihood:
 -855.94

 No. Observations:
 267 AIC:
 1716.

 Df Residuals:
 265 BIC:
 1723.

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const -1.2788 0.801 -1.596 0.112 -2.857 0.299

Imports of goods and services (% of GDP) 0.0005 0.017 0.029 0.977 -0.033 0.03

Omnibus: 156.495 Durbin-Watson: 1.896 Prob(Omnibus): 0.000 Jargue-Bera (JB): 1619.369

 Skew:
 -2.154 Prob(JB):
 0.00

 Kurtosis:
 14.270 Cond. No.
 103

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.4063691478481959 LM P-Value: 0.8161275916508719 F Statistic: 0.20120783585302543 F P-Value: 0.8178677414028847

OLS Regression Results

Dep. Variable: Cumulative diff R-squared: 0.032

Model: OLS Adj. R-squared: 0.028 Method: Least Squares F-statistic: 3.192 Sun, 27 Aug 2023 Prob (F-statistic): 0.0754 Date: Time: 23:49:55 Log-Likelihood: -651.40 218 AIC: No. Observations: 1307. Df Residuals: 216 BIC: 1314.

Df Model: 1

Covariance Type: HC3

coef std err z P>|z| [0.025 0.975]

.....

const -1.4331 0.381 -3.764 0.000 -2.179 -0.687

Imports of goods and services (annual % growth) 0.0567 0.032 1.787 0.074 -0.005 0.119

Omnibus: 66.263 Durbin-Watson: 1.868 Prob(Omnibus): 0.000 Jarque-Bera (JB): 222.422

Skew: -1.229 Prob(JB): 5.03e-49 Kurtosis: 7.294 Cond. No. 16.9

Notes:

[1] Standard Errors are heteroscedasticity robust (HC3)

White Test Results:

LM Statistic: 14.838621518247805 LM P-Value: 0.0005995622459427621

F Statistic: 7.851648896716438 F P-Value: 0.000511505916732948

OLS Regression Results

Dep. Variable: Cumulative_diff R-squared: 0.023

Model: OLS Adj. R-squared: 0.020

Method: Least Squares F-statistic: 1.620

Date: Sun, 27 Aug 2023 Prob (F-statistic): 0.204

 Time:
 23:49:55 Log-Likelihood:
 -871.36

 No. Observations:
 272 AIC:
 1747.

 Df Residuals:
 270 BIC:
 1754.

Df Model: 1

Covariance Type: HC3

coef std err z P>|z| [0.025 0.975]

const 0.0775 0.711 0.109 0.913 -1.316 1.471

Inflation, consumer prices (annual %) -0.0674 0.053 -1.273 0.203 -0.171 0.036

Omnibus: 280.057 Durbin-Watson: 1.837 Prob(Omnibus): 0.000 Jarque-Bera (JB): 23928.983

 Skew:
 3.819 Prob(JB):
 0.00

 Kurtosis:
 48.311 Cond. No.
 20.4

Notes:

[1] Standard Errors are heteroscedasticity robust (HC3)

White Test Results:

LM Statistic: 13.260636082169151 LM P-Value: 0.0013197432866810647 F Statistic: 6.893251672436526

F P-Value: 0.0012036202462509767

OLS Regression Results

Dep. Variable: Cumulative_diff R-squared: 0.004

Model: OLS Adj. R-squared: -0.003

Method: Least Squares F-statistic: 0.9126

Date: Sun, 27 Aug 2023 Prob (F-statistic): 0.341

Time: 23:49:55 Log-Likelihood: -386.23

No. Observations: 134 AIC: 776.5

Df Residuals: 132 BIC: 782.3

Df Model: 1

Covariance Type: HC3

coef std err z P>|z| [0.025 0.975]

......

const -1.2057 0.547 -2.205 0.027 -2.278 -0.134

Interest payments (% of revenue) 0.0248 0.026 0.955 0.339 -0.026 0.076

Omnibus: 8.723 Durbin-Watson: 1.697 Prob(Omnibus): 0.013 Jarque-Bera (JB): 10.643

 Skew:
 -0.406
 Prob(JB):
 0.00488

 Kurtosis:
 4.117
 Cond. No.
 20.3

Notes:

[1] Standard Errors are heteroscedasticity robust (HC3)

White Test Results:

LM Statistic: 10.409260350921599 LM P-Value: 0.005491080801892795 F Statistic: 5.516647565353807 F P-Value: 0.005008575336997776

OLS Regression Results

Dep. Variable: Cumulative diff R-squared: 0.007

OLS Adj. R-squared: Model: -0.009 Least Squares F-statistic: Method: 0.4361 Sun, 27 Aug 2023 Prob (F-statistic): Date: 0.512 Time: 23:49:56 Log-Likelihood: -175.1862 AIC: 354.4 No. Observations: Df Residuals: 60 BIC: 358.6

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const -0.7065 0.654 -1.081 0.284 -2.014 0.601

Net debt (% of GDP) -0.0050 0.008 -0.660 0.512 -0.020 0.010

Omnibus: 5.827 Durbin-Watson: 2.398 Prob(Omnibus): 0.054 Jarque-Bera (JB): 6.109

Skew: -0.389 Prob(JB): 0.0471 Kurtosis: 4.326 Cond. No. 108.

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 1.8763788771956742 LM P-Value: 0.39133573169133873 F Statistic: 0.9206560723315674 F P-Value: 0.40390243951902394

OLS Regression Results

Dep. Variable: Cumulative diff R-squared: 0.006

Model: OLS Adj. R-squared: 0.001 Method: Least Squares F-statistic: 1.108 Sun, 27 Aug 2023 Prob (F-statistic): 0.294 Date: Time: 23:49:56 Log-Likelihood: -581.87 200 AIC: No. Observations: 1168. Df Residuals: 198 BIC: 1174.

Df Model:

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const -0.5784 0.350 -1.654 0.100 -1.268 0.111

Net lending/borrowing (overall balance) (% of GDP) 0.0539 0.051 1.052 0.294 -0.047 0.15

Omnibus:39.546Durbin-Watson:2.000Prob(Omnibus):0.000Jarque-Bera (JB):108.416

Skew: -0.822 Prob(JB): 2.87e-24 Kurtosis: 6.210 Cond. No. 7.60

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.3119716963397412 LM P-Value: 0.85557129818502 F Statistic: 0.15388610098716515 F P-Value: 0.8574726304760207

OLS Regression Results

Dep. Variable: Cumulative diff R-squared: 0.705

Model: OLS Adj. R-squared: 0.631

Method: Least Squares F-statistic: 9.537

Date: Sun, 27 Aug 2023 Prob (F-statistic): 0.0366

Time: 23:49:56 Log-Likelihood: -17.404

No. Observations: 6 AIC: 38.81

No. Observations: 6 AIC: 38.81

Df Residuals: 4 BIC: 38.39

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const 167.2815 55.018 3.040 0.038 14.527 320.036

In Net official aid received (current US\$) -9.1519 2.963 -3.088 0.037 -17.380 -0.924

Omnibus: nan Durbin-Watson: 1.921 Prob(Omnibus): nan Jarque-Bera (JB): 1.014

 Skew:
 1.002
 Prob(JB):
 0.602

 Kurtosis:
 2.788
 Cond. No.
 466.

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 1.1684002461151655 LM P-Value: 0.5575516562120855 F Statistic: 0.3627370764235127 F P-Value: 0.722619289083172

OLS Regression Results

Dep. Variable: Cumulative diff R-squared: 0.013

Model: OLS Adj. R-squared: 0.010

Method: Least Squares F-statistic: 4.061

Date: Sun, 27 Aug 2023 Prob (F-statistic): 0.0448

Time: 23:49:57 Log-Likelihood: -987.05

No. Observations: 309 AIC: 1978.

Df Residuals: 307 BIC: 1986.

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const -1.0438 0.397 -2.629 0.009 -1.825 -0.26

In Official exchange rate (LCU per US\$, period average) 0.1741 0.086 2.015 0.045 0.004 0.34

Omnibus: 306.584 Durbin-Watson: 2.020

Prob(Omnibus): 0.000 Jarque-Bera (JB): 27028.456

Skew: 3.681 Prob(JB): 0.00 Kurtosis: 48.223 Cond. No. 5.49

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.8304956856466339 LM P-Value: 0.6601766403848401 F Statistic: 0.41232451013166943 F P-Value: 0.6624766856808739

OLS Regression Results

Dep. Variable: Cumulative_diff R-squared: 0.001

OLS Adj. R-squared: Model: -0.002 Least Squares F-statistic: Method: 0.3602 Date: Sun, 27 Aug 2023 Prob (F-statistic): 0.549 Time: 23:49:57 Log-Likelihood: -1081.5326 AIC: 2167. No. Observations: Df Residuals: 324 BIC: 2175.

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const -0.5410 0.830 -0.652 0.515 -2.174 1.092 Oil price -0.0060 0.010 -0.600 0.549 -0.026 0.014

 Omnibus:
 187.446
 Durbin-Watson:
 2.051

 Prob(Omnibus):
 0.000
 Jarque-Bera (JB):
 14435.543

 Skew:
 1.473 Prob(JB):
 0.00

 Kurtosis:
 35.466 Cond. No.
 186.

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 2.7289450332590723 LM P-Value: 0.2555154205824413 F Statistic: 1.3633284394010634 F P-Value: 0.25727589691870734

OLS Regression Results

Dep. Variable: Cumulative diff R-squared: 0.012

OLS Adj. R-squared: Model: 0.009 Least Squares F-statistic: Method: 2.011 Date: Sun, 27 Aug 2023 Prob (F-statistic): 0.157 Time: 23:49:57 Log-Likelihood: -1079.7No. Observations: 326 AIC: 2163. Df Residuals: 324 BIC: 2171.

Df Model: 1

Covariance Type: HC3

···

coef std err z P>|z| [0.025 0.975]

const -0.9487 0.384 -2.473 0.013 -1.700 -0.197

Oil price (% change) -3.1265 2.205 -1.418 0.156 -7.448 1.195

Omnibus: 177.376 Durbin-Watson: 2.065 Prob(Omnibus): 0.000 Jarque-Bera (JB): 13245.732

 Skew:
 1.340 Prob(JB):
 0.00

 Kurtosis:
 34.112 Cond. No.
 4.29

Notes:

[1] Standard Errors are heteroscedasticity robust (HC3)

White Test Results:

LM Statistic: 8.772814182079427 LM P-Value: 0.012445364047993651 F Statistic: 4.466229736120529 F P-Value: 0.01220891163191571

OLS Regression Results

Dep. Variable: Cumulative_diff R-squared: 0.102

OLS Adj. R-squared: Model: 0.096 Least Squares F-statistic: Method: 18.88 Date: Sun, 27 Aug 2023 Prob (F-statistic): 2.41e-05 Time: 23:49:58 Log-Likelihood: -488.32 169 AIC: 980.6 No. Observations: Df Residuals: 167 BIC: 986.9

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const -1.6322 0.406 -4.023 0.000 -2.433 -0.831 PV:GE -2.1266 0.489 -4.345 0.000 -3.093 -1.160

Omnibus: 48.642 Durbin-Watson: 1.776 Prob(Omnibus): 0.000 Jarque-Bera (JB): 215.055

Skew: -0.979 Prob(JB): 2.00e-47 Kurtosis: 8.168 Cond. No. 1.94

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.4004483293336305 LM P-Value: 0.8185472431404972 F Statistic: 0.19713700899759495 F P-Value: 0.821270075373732

OLS Regression Results

Dep. Variable: Cumulative diff R-squared: 0.004

Model: OLS Adj. R-squared: -0.002

Method: Least Squares F-statistic: 0.7121

Date: Sun, 27 Aug 2023 Prob (F-statistic): 0.400

Time: 23:49:58 Log-Likelihood: -561.94

No. Observations: 193 AIC: 1128.

Df Residuals: 191 BIC: 1134.

Df Model:

Covariance Type: nonrobust

coef std err t P>ltl [0.025 0.975]

const -0.7198 0.328 -2.195 0.029 -1.366 -0.0

Primary net lending/borrowing (primary balance) (% of GDP) 0.0465 0.055 0.844 0.400 -0.062 0.155

Omnibus: 39.196 Durbin-Watson: 2.032 Prob(Omnibus): 0.000 Jarque-Bera (JB): 109.204

Skew: -0.832 Prob(JB): 1.93e-24 Kurtosis: 6.288 Cond. No. 6.07

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.2514099870494577 LM P-Value: 0.8818749672386351 F Statistic: 0.12391244350007721 F P-Value: 0.8835285247808418

OLS Regression Results

Dep. Variable: Cumulative diff R-squared: 0.002

OLS Adj. R-squared: Model: -0.003 Least Squares F-statistic: Method: 0.4146 Date: Sun, 27 Aug 2023 Prob (F-statistic): 0.520 Time: 23:49:58 Log-Likelihood: -556.18No. Observations: 186 AIC: 1116.

Df Residuals: 184 BIC: 1123

Df Model: 1

Covariance Type: nonrobust

0.9751 coef std err P>ltl [0.025

const -1.1123 0.412 - 2.6980.008 -1.926-0.299

Real interest rate (%) 0.0177 0.028 0.644 0.520 -0.037

Omnibus: 1.798 79.296 Durbin-Watson: Prob(Omnibus): 0.000 Jarque-Bera (JB): 338.876

Skew: -1.619 Prob(JB): 2.59e-74 Kurtosis: 8.765 Cond. No. 17.4

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.29169209923434014 LM P-Value: 0.8642907508349791 F Statistic: 0.1437190795696868 F P-Value: 0.8662286910838174

OLS Regression Results

Dep. Variable: Cumulative diff R-squared: 0.000

OLS Adj. R-squared: Model: -0.003 Least Squares F-statistic: Method: 0.02223 Date: Sun, 27 Aug 2023 Prob (F-statistic): 0.882 Time: 23:49:59 Log-Likelihood: -1081.7 No. Observations: 326 AIC: 2167. Df Residuals: 324 BIC: 2175.

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const -1.1066 0.886 -1.249 0.212 -2.849 0.636

Real interest rate USA (%) 0.0258 0.173 0.149 0.882 -0.315 0.367

Omnibus: 189.948 Durbin-Watson: 2.048 Prob(Omnibus): 0.000 Jarque-Bera (JB): 14522.854

 Skew:
 1.511 Prob(JB):
 0.00

 Kurtosis:
 35.558 Cond. No.
 12.6

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 1.641719780403499 LM P-Value: 0.4400530944251272 F Statistic: 0.8174224636894223 F P-Value: 0.4424796738223882

OLS Regression Results

Dep. Variable: Cumulative diff R-squared: 0.007

OLS Adj. R-squared: Model: 0.002 Least Squares F-statistic: Method: 1.394 Sun, 27 Aug 2023 Prob (F-statistic): Date: 0.239 Time: 23:49:59 Log-Likelihood: -594.03 No. Observations: 204 AIC: 1192. Df Residuals: 202 BIC: 1199.

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const 0.1676 0.764 0.219 0.827 -1.340 1.675

Omnibus: 40.637 Durbin-Watson: 1.985 Prob(Omnibus): 0.000 Jarque-Bera (JB): 115.344

 Skew:
 -0.820 Prob(JB):
 8.98e-26

 Kurtosis:
 6.298 Cond. No.
 63.3

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.3347107012678663 LM P-Value: 0.8458989671890735 F Statistic: 0.16516523553544749 F P-Value: 0.8478685518042491

OLS Regression Results

Dep. Variable: Cumulative diff R-squared: 0.003

Model: OLS Adj. R-squared: -0.001 Least Squares F-statistic: 0.7888 Method: Sun, 27 Aug 2023 Prob (F-statistic): 0.375 Date: Time: 23:49:59 Log-Likelihood: -742.79 No. Observations: 253 AIC: 1490. Df Residuals: 251 BIC: 1497.

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const -0.3459 0.397 -0.871 0.385 -1.128 0.436

Short-term debt (% of total external debt) -0.0210 0.024 -0.888 0.375 -0.068 0.026

Omnibus: 98.927 Durbin-Watson: 1.995 Prob(Omnibus): 0.000 Jarque-Bera (JB): 509.409

 Skew:
 -1.489 Prob(JB):
 2.42e-111

 Kurtosis:
 9.281 Cond. No.
 23.2

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.07108432238631368 LM P-Value: 0.9650820443617553 F Statistic: 0.035130583130382184 F P-Value: 0.9654840980465779

OLS Regression Results

Dep. Variable: Cumulative_diff R-squared: 0.004

Model:OLS Adj. R-squared:-0.001Method:Least SquaresF-statistic:0.8498Date:Sun, 27 Aug 2023Prob (F-statistic):0.358Time:23:50:00Log-Likelihood:-623.72No. Observations:217AIC:1251.

Df Residuals: 215 BIC: 1258.

Df Model: 1

Covariance Type: nonrobust

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coef std err t P>|t| [0.025 0.975]

const -0.2947 0.299 -0.986 0.325 -0.884 0.294

Short-term debt (% of total reserves) 0.0004 0.000 0.922 0.358 -0.000 0.001

Omnibus: 67.080 Durbin-Watson: 2.005 Prob(Omnibus): 0.000 Jarque-Bera (JB): 313.907

 Skew:
 -1.122
 Prob(JB):
 6.85e-69

 Kurtosis:
 8.448
 Cond. No.
 652.

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.14760616119595593 LM P-Value: 0.9288545853227628 F Statistic: 0.07283230297059817 F P-Value: 0.9297797706572664

OLS Regression Results

Dep. Variable: Cumulative diff R-squared: 0.035

OLS Adj. R-squared: Model: 0.031 Least Squares F-statistic: Method: 3.327 Date: Sun, 27 Aug 2023 Prob (F-statistic): 0.0692 Time: 23:50:00 Log-Likelihood: -897.87 280 AIC: 1800. No. Observations:

Df Residuals: 278 BIC: 1807.

Df Model:

Covariance Type: HC3

P>|z|coef std err [0.025 0.9751

const 9.9768 5.910 1.688 0.091 -1.607 21.561 -0.5139 -1.824 In TRes 0.282 -1.0660.038 0.068

Omnibus: 272.750 Durbin-Watson: 1.953 Prob(Omnibus): 20029.016 0.000 Jarque-Bera (JB):

Skew: 3.551 Prob(JB): 0.00 Kurtosis: 43.821 Cond. No. 187.

Notes:

[1] Standard Errors are heteroscedasticity robust (HC3)

White Test Results:

LM Statistic: 16.536780620497183 LM P-Value: 0.00025649784107548195

F Statistic: 8.693221472556894

F P-Value: 0.00021793745691769172

OLS Regression Results

Dep. Variable: Cumulative_diff R-squared: 0.000

Model:OLS Adj. R-squared:-0.004Method:Least Squares F-statistic:0.07054Date:Sun, 27 Aug 2023 Prob (F-statistic):0.791Time:23:50:00 Log-Likelihood:-663.18

No. Observations: 231 AIC: 1330. Df Residuals: 229 BIC: 1337.

Df Model:

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

Total debt service (% of exports of goods, services and primary income) -0.0049 0.018 -0.266 0.791 -0.041 0.03

Omnibus: 82.170 Durbin-Watson: 1.866 Prob(Omnibus): 0.000 Jarque-Bera (JB): 440.766

 Skew:
 -1.289
 Prob(JB):
 1.94e-96

 Kurtosis:
 9.257
 Cond. No.
 34.9

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 1.6089440488207989 LM P-Value: 0.4473240403966714 F Statistic: 0.7995936057969412 F P-Value: 0.450768000533322

OLS Regression Results

Dep. Variable: Cumulative_diff R-squared: 0.002

OLS Adj. R-squared: -0.002 Model: Method: Least Squares F-statistic: 0.5392 Sun, 27 Aug 2023 Prob (F-statistic): 0.463 Date: Time: 23:50:01 Log-Likelihood: -735.30 No. Observations: 252 AIC: 1475. Df Residuals: 250 BIC: 1482.

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975

const -0.4967 0.432 -1.151 0.251 -1.347 0.353

Total reserves in months of imports -0.0681 0.093 -0.734 0.463 -0.251 0.115

Omnibus: 57.740 Durbin-Watson: 1.844 Prob(Omnibus): 0.000 Jarque-Bera (JB): 175.174

 Skew:
 -0.971 Prob(JB):
 9.15e-39

 Kurtosis:
 6.594 Cond. No.
 7.28

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 1.8330535765722287 LM P-Value: 0.3999055885788653 F Statistic: 0.9122514926371144 F P-Value: 0.40295694872490695

OLS Regression Results

Dep. Variable: Cumulative diff R-squared: 0.001

Model: OLS Adj. R-squared: -0.003

Method: Least Squares F-statistic: 0.1789

Date: Sun, 27 Aug 2023 Prob (F-statistic): 0.673

Time: 23:50:01 Log-Likelihood: -855.85

No. Observations: 267 AIC: 1716.

Df Residuals: 265 BIC: 1723.

Df Model: 1

Covariance Type: nonrobust

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coef std err t P>|t| [0.025 0.975]

const -0.9555 0.804 -1.189 0.236 -2.538 0.627

Trade (% of GDP) -0.0041 0.010 -0.423 0.673 -0.023 0.015

Omnibus: 156.821 Durbin-Watson: 1.894 Prob(Omnibus): 0.000 Jarque-Bera (JB): 1636.969

Skew: -2.156 Prob(JB): 0.00 Kurtosis: 14.338 Cond. No. 180.

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.4954127517296646 LM P-Value: 0.7805891094342097 F Statistic: 0.24537845259450383 F P-Value: 0.7825866213781693

OLS Regression Results

Dep. Variable: Cumulative diff R-squared: 0.014

Model: OLS Adj. R-squared: 0.009
Method: Least Squares F-statistic: 3.102

Date: Sun, 27 Aug 2023 Prob (F-statistic): 0.0796
Time: 23:50:01 Log-Likelihood: -707.91

No. Observations: 223 AIC: 1420.

Df Residuals: 221 BIC: 1427.

Df Model:

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const -2.0172 0.636 -3.171 0.002 -3.271 -0.763

Unemployment, total (% of total labor force) (modeled ILO estimate) 0.1217 0.069 1.761 0.080 -0.014 0.258

Omnibus: 153.469 Durbin-Watson: 1.944 Prob(Omnibus): 0.000 Jarque-Bera (JB): 1891.093

 Skew:
 -2.504 Prob(JB):
 0.00

 Kurtosis:
 16.358 Cond. No.
 15.2

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 1.4712543820446395 LM P-Value: 0.4792048117473483 F Statistic: 0.7305507083221249 F P-Value: 0.48280836335981214

OLS Regression Results

Dep. Variable: Cumulative diff R-squared: 0.005

Model: OLS Adj. R-squared: -0.003

Method: Least Squares F-statistic: 0.6180

Date: Sun, 27 Aug 2023 Prob (F-statistic): 0.433

 Time:
 23:50:02
 Log-Likelihood:
 -413.02

 No. Observations:
 134
 AIC:
 830.0

 Df Residuals:
 132
 BIC:
 835.8

Df Model:

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const -1.4005 0.752 -1.863 0.065 -2.887 0.086

Unemployment, total (% of total labor force) (national estimate) -0.0579 0.074 -0.786 0.433 -0.204 0.088

Omnibus:47.049Durbin-Watson:1.979Prob(Omnibus):0.000Jarque-Bera (JB):134.859

Skew: -1.337 Prob(JB): 5.20e-30 Kurtosis: 7.124 Cond. No. 16.8

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 1.2081450154994466 LM P-Value: 0.5465811413891688 F Statistic: 0.5959213275878237 F P-Value: 0.5525414632443113

OLS Regression Results

Dep. Variable: Cumulative diff R-squared: 0.002

Model:OLS Adj. R-squared:-0.002Method:Least Squares F-statistic:0.5705Date:Sun, 27 Aug 2023 Prob (F-statistic):0.451Time:23:50:02 Log-Likelihood:-688.53No. Observations:239 AIC:1381.

Df Residuals: 237 BIC: 1388.

Df Model: 1

Covariance Type: nonrobust

coef std err t P>|t| [0.025 0.975]

const -0.6906 0.355 -1.946 0.053 -1.390 0.009

In Use of IMF credit (DOD, current US\$) 0.0118 0.016 0.755 0.451 -0.019 0.04

Omnibus: 88.161 Durbin-Watson: 1.943 Prob(Omnibus): 0.000 Jarque-Bera (JB): 477.321

Skew: -1.354 Prob(JB): 2.24e-104 Kurtosis: 9.372 Cond. No. 28.8

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

White Test Results:

LM Statistic: 0.07269259781279902 LM P-Value: 0.9643062974389911 F Statistic: 0.03590098861103132 F P-Value: 0.9647410763025086